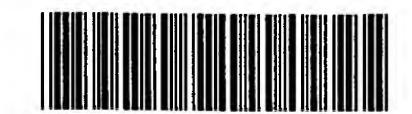
RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 2/576/527Source: 2/50/527

Date Processed by STIC: 5-1-06

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/576,527

DATE: 05/01/2006
TIME: 10:50:40

Input Set : N:\DA\pto.da,txt

Output Set: N:\CRF4\05012006\J576527.raw 3 <110> APPLICANT: Kalled, Susan Rao, Sambasiva 6 <120> TITLE OF INVENTION: THERAPEUTIC REGIMENS FOR BAFF ANTAGONISTS 8 <130> FILE REFERENCE: 08201.0042-00000 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,527 C--> 10 <141> CURRENT FILING DATE: 2006-04-19 10 <150> PRIOR APPLICATION NUMBER: 60/512,880 11 <151> PRIOR FILING DATE: 2003-10-20 13 <160> NUMBER OF SEQ ID NOS: 6 15 <170 > SOFTWARE: PatentIn version 3:1 17 <210> SEQ ID NO: 1 18 <211> LENGTH: 186 19 <212> TYPE: PRT 20 <213> ORGANISM: Homo sapiens 22 <220> FEATURE: 23 <221> NAME/KEY: MISC FEATURE 24 <222> LOCATION: (1)..(1) 25 <223> OTHER INFORMATION: None, or any amino acid 28 <220> FEATURE: 29 <221> NAME/KEY: MISC_FEATURE 30 <222> LOCATION: (2)..(2) 31 <223> OTHER INFORMATION: Methionine, none, or any amino acid 34 <220> FEATURE: 35 <221> NAME/KEY: MISC FEATURE 36 <222> LOCATION: (21)..(21) 37 <223> OTHER INFORMATION: valine (wild type), asparagine, or another amino acid 40 <220> FEATURE: 41 <221> NAME/KEY: MISC FEATURE 42 <222> LOCATION: (28)..(28) 43 <223> OTHER INFORMATION: lysine (wild type), proline, or another amino acid 46 <220> FEATURE: 47 <221> NAME/KEY: MISC FEATURE 48 <222> LOCATION: (47)..(47) 49 <223> OTHER INFORMATION: None, any amino acid, or alanine 52 <400> SEQUENCE: 1 W--> 54 Xaa Xaa Arg Arg Gly Pro Arg Ser Leu Arg Gly Arg Asp Ala Pro Ala 55 1 W--> 58 Pro Thr Pro Cys Xaa Pro Ala Glu Cys Phe Asp Xaa Leu Val Arg His W--> 62 Cys Val Ala Cys Gly Leu Leu Arg Thr Pro Arg Pro Lys Pro Xaa Ala 35 40 66 Gly Ala Ser Ser Pro Ala Pro Arg Thr Ala Leu Gln Pro Gln Glu Ser

55

50

67

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

70 Val Gly Ala Gly Ala Gly Glu Ala Ala Leu Pro Leu Pro Gly Leu Leu 71 65 70 75 74 Phe Gly Ala Pro Ala Leu Leu Gly Leu Ala Leu Val Leu Ala Leu Val 90 78 Leu Val Gly Leu Val Ser Trp Arg Arg Arg Gln Arg Arg Leu Arg Gly 100 105 82 Alex Ser Ser Ma Glu Ala Pro Asp Gly Asp Lys Asp Ala Pro Glus Pro 🕐 115 120 83 125 86 Leu Asp Lys Val Ile Ile Leu Ser Pro Gly Ile Ser Asp Ala Thr Ala 87 130 135 140 90 Pro Ala Trp Pro Pro Pro Gly Glu Asp Pro Gly Thr Thr Pro Pro Gly 91 145 150 155 160 94 His Ser Val Pro Val Pro Ala Thr Glu Leu Gly Ser Thr Glu Leu Val 95 165 170 175 98 Thr Thr Lys Thr Ala Gly Pro Glu Gln Gln 99 185 180 102 <210> SEQ ID NO: 2 103 <211> LENGTH: 321 104 <212> TYPE: PRT 105 <213> ORGANISM: Homo sapiens 107 <220> FEATURE: 108 <221> NAME/KEY: MISC FEATURE 109 <222> LOCATION: (41)..(41) 110 <223> OTHER INFORMATION: Valine, aspragine, or another amino acid 113 <220> FEATURE: 114 <221> NAME/KEY: MISC FEATURE 115 <222> LOCATION: (48)..(48) 116 <223> OTHER INFORMATION: Lysine (wild type), proline, or another amino acid 119 <220> FEATURE: 120 <221> NAME/KEY: MISC FEATURE 121 <222> LOCATION: (67)..(67) 122 <223> OTHER INFORMATION: none, any amino acid, or alanine 125 <400> SEQUENCE: 2 127 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro 128 1 15 10 131 Gly Ser Thr Gly Asp Val Arg Arg Gly Pro Arg Ser Leu Arg Gly Arg 132 20 W--> 135 Asp Ala Pro Ala Pro Thr Pro Cys Xaa Pro Ala Glu Cys Phe Asp Xaa 136 35 139 Leu Val Arg His Cys Val Ala Cys Gly Leu Leu Arg Thr Pro Arg Pro 140 50 55 W--> 143 Lys Pro Xaa Ala Gly Ala Ser Ser Pro Ala Pro Arg Thr Ala Leu Gln 144 65 147 Pro Gln Glu Ser Val Gly Ala Gly Ala Gly Glu Ala Ala Val Asp Lys 151 Thr His Thr Ser Pro Pro Ser Pro Ala Pro Glu Leu Leu Gly Gly Pro 152 100 105 155 Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser

120

125

115

156

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

159 160	Arg	Thr 130	Pro	Glu	Val	Thr	Cys 135	Val	Val	Val	Asp	Val 140	Ser	His	Glu	Asp
	Dro		V-1	Lve	Phe	Acn		ጥተታ	V2]	Acn	Glv		Glu	TeV	Hic	Acn
	145	GIU	VAI	тур	FIIC	150	ııp	туг	Val	wah	155	VQI	GIU	val	IITD	160
		Lvs	Thr	Lvs	Pro		Glu	Glu	Gln	Tvr		Ser	Thr	Tvr	Ara	
168	****	270	1111	1	165	5		014	U _ 11	170	11011	UCI		- 7 -	175	1 4 1
	Val	Ser	Val	Leu		Val	·I:211	Hi 🤜	Gla		Trp	Leu	Asn	Glv		Glu
172				180					185	, ;;				190	- 1	
	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys
176	-	-	195	-				200					205			· ·
179	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr
180		210					215					220				
183	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr
184	225					230					235					240
187	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu
188					245				_	250				_	255	_
	Ser	Asn	Gly		Pro	Glu	Asn	Asn	_	Lys	Thr	Thr	Pro		Val	Leu
192	3	G	3	260	C	D1	Dla -	.	265	C	T		G 11	270	*	*
	Asp	ser	_	GLY	Ser	Pne	Pue		Tyr	Ser	TiÀ2	Leu		vai	Asp	гÀг
196	Sor	7 ~~	275	Cln	Gln	C117	7 cm	280 Wal	Dho	Sor	Cara	Sor	285	Mot	uic	C111
200	PET	290	TTD	GIII	GIII	GIŸ	295	val	LIIC	SET	Cys	300	vaı	MEC	UIS	Giu
	Ala		His	Asn	His	Tvr		Gln	Lvs	Ser	Leu		Leu	Ser	Pro	Glv
	305					310			-1		315					320
207	шyы															
	<21	O> SI	EQ II	ONO:	: 3											
211	-		- -													
211 212	<210	l> LH	ENGTI	H: 17												
211 212 213	<210 <211 <212	l> LH 2> TY	ENGTI (PE:	H: 17		muso	culus	5								
211 212 213 214 216	<210 <211 <212 <213 <400	l> LI 2> TY 3> OF 0> SE	ENGTH (PE: RGAN) EQUEN	H: 1' PRT ISM: NCE:	75 Mus 3			_								
211 212 213 214 216 218	<210 <211 <211 <213 <400 Met	l> LI 2> TY 3> OF 0> SE	ENGTH (PE: RGAN) EQUEN	H: 1' PRT ISM: NCE:	Mus 3 Arg			_	Arg		Gln	Arg	Ser	Arg	_	Ser
211 212 213 214 216 218 219	<210 <211 <211 <211 <400 Met 1	l> LH 2> TY 3> OH 0> SH Gly	ENGTH (PE: RGAN) EQUEN Ala	H: 1' PRT ISM: ICE: Arg	Mus 3 Arg 5	Leu	Arg	Val	_	10		_		_	15	_
211 212 213 214 216 218 219 222	<210 <211 <211 <211 <400 Met 1	l> LH 2> TY 3> OH 0> SH Gly	ENGTH (PE: RGAN) EQUEN Ala	H: 1' PRT ISM: NCE: Arg	Mus 3 Arg	Leu	Arg	Val	Thr	10		_		Pro	15	_
211 212 213 214 216 218 219 222 223	<210 <211 <211 <213 <400 Met 1 Ser	l> LH 2> TY 3> OH 0> SH Gly Val	ENGTH (PE: RGANI EQUEN Ala Pro	H: 1' PRT ISM: NCE: Arg Thr 20	Mus 3 Arg 5 Gln	Leu Cys	Arg Asn	Val Gln	Thr 25	10 Glu	Cys	Phe	Asp	Pro	15 Leu	Val
211 212 213 214 216 218 219 222 223 226	<210 <211 <211 <213 <400 Met 1 Ser	l> LH 2> TY 3> OH 0> SH Gly Val	ENGTH (PE: RGAN) EQUEN Ala Pro	H: 1' PRT ISM: NCE: Arg Thr 20	Mus 3 Arg 5	Leu Cys	Arg Asn	Val Gln Leu	Thr 25	10 Glu	Cys	Phe	Asp Asp	Pro	15 Leu	Val
211 212 213 214 216 218 219 222 223 226 227	<210 <211 <211 <400 Met 1 Ser	l> LH 2> TY 3> OH 0> SH Gly Val Asn	ENGTH (PE: RGAN) EQUEN Ala Pro Cys 35	H: 1' PRT SM: NCE: Arg Thr 20 Val	Mus 3 Arg 5 Gln Ser	Leu Cys Cys	Arg Asn Glu	Val Gln Leu 40	Thr 25 Phe	10 Glu His	Cys Thr	Phe	Asp Asp 45	Pro 30 Thr	15 Leu Gly	Val His
211 212 213 214 216 218 219 222 223 226 227	<210 <211 <211 <400 Met 1 Ser	l> LH 2> TY 3> OH 0> SH Gly Val Asn	ENGTH (PE: RGAN) EQUEN Ala Pro Cys 35	H: 1' PRT SM: NCE: Arg Thr 20 Val	Mus 3 Arg 5 Gln	Leu Cys Cys	Arg Asn Glu	Val Gln Leu 40	Thr 25 Phe	10 Glu His	Cys Thr	Phe	Asp Asp 45	Pro 30 Thr	15 Leu Gly	Val His
211 212 213 214 216 218 219 222 223 226 227 230 231	<210 <211 <211 <400 Met 1 Ser Arg	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu	Mus 3 Arg 5 Gln Ser	Leu Cys Cys Pro	Arg Asn Glu Gly 55	Val Gln Leu 40 Thr	Thr 25 Phe Ala	10 Glu His Leu	Cys Thr Gln	Phe Pro Pro 60	Asp Asp 45 Gln	Pro 30 Thr	Leu Gly	Val His Ser
211 212 213 214 216 218 219 222 223 226 227 230 231	<210 <211 <212 <213 <400 Met 1 Ser Arg Thr	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu	Mus 3 Arg 5 Gln Ser	Leu Cys Cys Pro	Arg Asn Glu Gly 55	Val Gln Leu 40 Thr	Thr 25 Phe Ala	10 Glu His Leu	Cys Thr Gln	Phe Pro Pro 60	Asp Asp 45 Gln	Pro 30 Thr	Leu Gly	Val His Ser
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235	<210 <211 <212 <213 <400 Met 1 Ser Arg Thr Ala 65	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50 Leu	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser Arg	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu Pro	Mus 3 Arg 5 Gln Ser	Leu Cys Cys Pro Val 70	Arg Asn Glu Gly 55 Ala	Val Gln Leu 40 Thr	Thr 25 Phe Ala Leu	10 Glu His Leu Val	Cys Thr Gln Gly 75	Phe Pro Pro 60 Ala	Asp Asp 45 Gln Pro	Pro 30 Thr Glu	Leu Gly Leu	Val His Ser Leu 80
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235	<210 <211 <212 <213 <400 Met 1 Ser Arg Thr Ala 65	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50 Leu	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser Arg	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu Pro	Mus 3 Arg 5 Gln Ser Glu Asp	Leu Cys Cys Pro Val 70	Arg Asn Glu Gly 55 Ala	Val Gln Leu 40 Thr	Thr 25 Phe Ala Leu	10 Glu His Leu Val	Cys Thr Gln Gly 75	Phe Pro Pro 60 Ala	Asp Asp 45 Gln Pro	Pro 30 Thr Glu	Leu Gly Leu	Val His Ser Leu 80
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235 238 239	<210 <211 <211 <400 Met 1 Ser Arg Thr Ala 65 Gly	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50 Leu Leu	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser Arg Ile	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu Pro Leu	Mus 3 Arg 5 Gln Ser Glu Asp	Leu Cys Cys Pro Val 70 Leu	Arg Asn Glu Gly 55 Ala Thr	Val Gln Leu 40 Thr Leu	Thr 25 Phe Ala Leu Val	10 Glu His Leu Val Gly 90	Cys Thr Gln Gly 75 Leu	Phe Pro Pro 60 Ala Val	Asp Asp 45 Gln Pro	Pro 30 Thr Glu Ala Leu	Leu Gly Leu Val 95	Val His Ser Leu 80 Ser
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235 238 239 242 243	<210 <211 <211 <211 <400 Met 1 Ser Arg Thr Ala 65 Gly Trp	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50 Leu Leu Arg	ENGTH (PE: RGAN) EQUEN Ala Pro Cys 35 Ser Arg Ile Trp	PRT ISM: ICE: Arg Thr 20 Val Leu Pro Leu Arg 100	Mus 3 Arg 5 Gln Ser Glu Asp Ala 85 Gln	Leu Cys Cys Pro Val 70 Leu Gln	Arg Asn Glu Gly 55 Ala Thr	Val Gln Leu 40 Thr Leu Leu Arg	Thr 25 Phe Ala Leu Val Thr 105	10 Glu His Leu Val Gly 90 Ala	Cys Thr Gln Gly 75 Leu Ser	Phe Pro Pro Ala Val Pro	Asp Asp 45 Gln Pro Ser Asp	Pro 30 Thr Glu Ala Leu Thr	Leu Gly Gly Leu Val 95 Ser	Val His Ser Leu 80 Ser
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235 239 242 243 246	<210 <211 <211 <211 <400 Met 1 Ser Arg Thr Ala 65 Gly Trp	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50 Leu Leu Arg	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser Arg Ile Trp Gln	PRT ISM: ICE: Arg Thr 20 Val Leu Pro Leu Arg 100	Mus 3 Arg 5 Gln Ser Glu Asp Ala 85	Leu Cys Cys Pro Val 70 Leu Gln	Arg Asn Glu Gly 55 Ala Thr	Val Gln Leu 40 Thr Leu Arg Glu	Thr 25 Phe Ala Leu Val Thr 105	10 Glu His Leu Val Gly 90 Ala	Cys Thr Gln Gly 75 Leu Ser	Phe Pro Pro Ala Val Pro	Asp Asp 45 Gln Pro Ser Asp	Pro 30 Thr Glu Ala Leu Thr	Leu Gly Gly Leu Val 95 Ser	Val His Ser Leu 80 Ser
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235 239 242 243 246 247	<210 <211 <211 <400 Met 1 Ser Arg Thr Ala 65 Gly Trp Gly	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50 Leu Leu Arg	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser Arg Ile Trp Gln 115	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu Pro Leu Arg 100 Gln	Mus 3 Arg 5 Gln Ser Glu Asp Ala 85 Gln Glu	Leu Cys Cys Pro Val 70 Leu Gln	Arg Asn Glu Gly 55 Ala Thr Leu Leu	Val Gln Leu 40 Thr Leu Arg Glu 120	Thr 25 Phe Ala Leu Val Thr 105 Asn	10 Glu His Leu Val Gly 90 Ala Val	Cys Thr Gln Gly 75 Leu Ser Phe	Phe Pro Pro Ala Val Pro Val	Asp Asp 45 Gln Pro Ser Asp Pro 125	Pro 30 Thr Glu Ala Leu Thr 110 Ser	Leu Gly Leu Val 95 Ser	Val His Ser Leu 80 Ser Glu
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235 239 242 243 246 247 250	<210 <211 <211 <400 Met 1 Ser Arg Thr Ala 65 Gly Trp Gly	l> LH 2> TY 3> OF 3> OF 3> OF 3> OF 3> OF 4 Color Colo	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser Arg Ile Trp Gln 115	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu Pro Leu Arg 100 Gln	Mus 3 Arg 5 Gln Ser Glu Asp Ala 85 Gln	Leu Cys Cys Pro Val 70 Leu Gln	Arg Asn Glu Gly 55 Ala Thr Leu Leu Pro	Val Gln Leu 40 Thr Leu Arg Glu 120	Thr 25 Phe Ala Leu Val Thr 105 Asn	10 Glu His Leu Val Gly 90 Ala Val	Cys Thr Gln Gly 75 Leu Ser Phe	Phe Pro 60 Ala Val Pro Val Leu	Asp Asp 45 Gln Pro Ser Asp Pro 125	Pro 30 Thr Glu Ala Leu Thr 110 Ser	Leu Gly Leu Val 95 Ser	Val His Ser Leu 80 Ser Glu
211 212 213 214 216 218 219 222 223 226 227 230 231 234 235 239 242 243 246 247 250 251	<210 <211 <212 <212 <400 Met 1 Ser Arg Thr Ala 65 Gly Trp Gly Thr	l> LH 2> TY 3> OH 0> SH Gly Val Asn Ser 50 Leu Arg Val Pro 130	ENGTH (PE: RGANI EQUEN Ala Pro Cys 35 Ser Arg Ile Trp Gln 115 His	H: 1' PRT ISM: NCE: Arg Thr 20 Val Leu Pro Leu Arg 100 Gln Ala	Mus 3 Arg 5 Gln Ser Glu Asp Ala 85 Gln Glu	Leu Cys Cys Pro Val 70 Leu Gln Ser	Arg Asn Glu Gly 55 Ala Thr Leu Leu Pro 135	Val Gln Leu 40 Thr Leu Arg Glu 120 Thr	Thr 25 Phe Ala Leu Val Thr 105 Asn	10 Glu His Leu Val Gly 90 Ala Val Pro	Cys Thr Gln Gly 75 Leu Ser Phe	Phe Pro 60 Ala Val Pro Val Leu 140	Asp Asp 45 Gln Pro Ser Asp Pro 125 Lys	Pro 30 Thr Glu Ala Leu Thr 110 Ser	Leu Gly Leu Val 95 Ser Ser	Val His Ser Leu 80 Ser Glu Glu Ala

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

255 145	160
258 Gly Ser Thr Glu Leu Val Thr Thr Lys Thr Ala Gly Pro Glu Gl	n
259 165 170 17	5
262 <210> SEQ ID NO: 4	
263 <211> LENGTH: 316	
264 <212> TYPE: PRT	
265 <213 > ORGANISM: Mus musculus	•
267 <400> SEQUENCE: 4	٠
269 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Trp Va	l Pro
270 1 5 10 15	
273 Gly Ser Thr Gly Asp Val Gly Ala Arg Arg Leu Arg Val Arg Se	r Gln
274 20 25 30	
277 Arg Ser Arg Asp Ser Ser Val Pro Thr Gln Cys Asn Gln Thr Gl	ı Cys
278 35 40 45	
281 Phe Asp Pro Leu Val Arg Asn Cys Val Ser Cys Glu Leu Phe Hi	s Thr
282 50 55 60	-
285 Pro Asp Thr Gly His Thr Ser Ser Leu Glu Pro Gly Thr Ala Le	
286 65 70 75	80
289 Pro Glu Glu Gly Ser Ala Leu Val Asp Val Pro Arg Asp Sys Gl	y Cys
290 ' 85 ' 90 95	-1
293 Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser Val Phe Il	e Phe
294 100 105 110	
297 Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Ly	s vai
298 115 120 125	a Dia
301 Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gl	n Pne
302 130 135 140	- D
305 Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala Gln Thr Gl	
306 145 150 155	160
309 Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Le 310 165 170	
310 165 170 17 313 Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Ar	
313 The Met His Gill Asp Trp Led Ash Gry Lys Grd File Lys Cys Ar 314 180 185 190	y var
317 Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Ly	g Thr
317 ASN Set Ata Ata the Flo Ata Flo Tie Glu bys III Tie Set by 318 200 205	5 1111
321 Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pr	o Iws
321 Lys Gry Arg 110 Lys Ard 110 Gri var ryr fin 110 110 110 11 322 210 215 220	JHYU
325 Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys Met Ile Th	r Asp
326 225 230 235	240
329 Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gl	
330 . 245 250 250 25	
333 Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gl	
334 260 265 270	
337 Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Gl	u Ala
338 275 280 285	— * •
341 Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly Leu His As	n His
342 290 295 300	· · · · · · · · · · · · · · · · · · ·
345 His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys	
346 305 310 315	
349 <210> SEQ ID NO: 5	

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

```
350 <211> LENGTH: 11
351 <212> TYPE: PRT
352 <213> ORGANISM: Artificial Sequence
354 <220> FEATURE:
355 <223> OTHER INFORMATION: Description of Artificial sequence: Synthetic Peptide
357 <400> SEQUENCE: 5
359 Cys His Trp Asp Leu Leu Arg His Trp Val Cys
360 1 5 10
363 <210> SEQ ID NO: 6
364 <211> LENGTH: 7
365 <212> TYPE: PRT
366 <213> ORGANISM: Homo sapiens
368 <400> SEQUENCE: 6
```

370 Ser Ser Pro Ala Pro Arg Thr

371 1

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 05/01/2006

PATENT APPLICATION: US/10/576,527

TIME: 10:50:41

:

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that, a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,21,28,47

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/576,527

DATE: 05/01/2006

TIME: 10:50:41

Input Set : N:\DA\pto.da.txt

in the second

Output Set: N:\CRF4\05012006\J576527.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0 L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16 L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32 L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32

L:143 M:341 W: (46) "n" or "Xaa" uced, for SEQ ID#:2 after pos.:64

and the state of t

941 W: (46) "II" @t "AFA" diled, for SEQ 1D#:2 after pos.:64